

# INTERNATIONAL SEARCH REPORT

Rec'd PCT/IB 03/04781  
International Application No. 10/534890  
12 MAY 2005

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03K3/0233

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 994 692 A (WOLKE ALAN E) 19 February 1991 (1991-02-19) abstract; figure 1	1-8
A	the whole document	11
X	WO 00/45507 A (NORTEL NETWORKS CORP) 3 August 2000 (2000-08-03) page 4, line 25 - page 5, line 16; figure 1	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

29 January 2004

Date of mailing of the international search report

05/02/2004

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4994692	A	19-02-1991	JP 3181220 A	07-08-1991
WO 0045507	A	03-08-2000	US 6529564 B1	04-03-2003
			CA 2343033 A1	03-08-2000
			WO 0045507 A1	03-08-2000
			DE 69910440 D1	18-09-2003
			EP 1145426 A1	17-10-2001
			JP 2002536860 T	29-10-2002